



HW/1742

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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Trudi Thompson  
Trudi Thompson

Applicant	:	William L. Johnson	Confirmation No.3170
Application No.	:	10/573,148	
Filed	:	December 21, 2006	
Title	:	FE-BASE IN-SITU COMPOSITE ALLOYS COMPRISING AMORPHOUS PHASE	
Grp./Div.	:	1742	
Examiner	:	Unassigned	
Docket No.	:	53601/L471	

INFORMATION DISCLOSURE STATEMENT  
37 CFR § 1.97(b)

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Post Office Box 7068  
Pasadena, CA 91109-7068  
January 10, 2007

Commissioner:

In compliance with the duty of disclosure under 37 CFR §§ 1.56, 1.97 and 1.98, and in accordance with the provisions in the Manual of Patent Examining Procedure §§ 609 and 707.05(b), enclosed is FORM PTO/SB/08A/B listing the references that are known to applicant. Copies of each of the references listed under "Foreign Patent Documents" and "Other Documents" are enclosed. This filing is timely because it is made during one of the periods described in 37 CFR § 1.97(b).

It is respectfully requested that the listed references be considered in the examination of this application and identified on the list of references cited on the patent issuing for this application. Applicant also requests that an initialed copy of FORM PTO/SB/08A/B be entered in the application file and returned to applicant with the next communication from the Office in accordance with MPEP § 609.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.W./

**Application No. 10/573,148**

The Commissioner is hereby authorized to charge any fees which may be required by this paper to Deposit Account No. 03-1728. Please show our docket number with any Deposit Account transaction.

Respectfully submitted,

CHRISTIE, PARKER & HALE, LLP

By JWP

John W Peck  
Reg. No. 44,284  
626/795-9900

JWP/tt

Enclosures: PTO/SB/08A/B, w/references

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FORM PTO/SB/08A/B (10-01) Substitute for PTO-1449A/B		Attorney Docket Number	53601/L471
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		Application Number	10/573,148
		Filing Date	December 21, 2006
		Applicant(s)	Johnson et al.
		Group Art Unit	1742
		Examiner Name	Unassigned

### U.S. PATENT DOCUMENTS

EXAMINER INITIALS	Cite No. <sup>1</sup>	DOCUMENT NUMBER Number - Kind Code <sup>2</sup> (If Known)	PUBLICATION DATE MM-DD-YYYY	NAME OF PATENTEE
/G.W./		2,106,145	01/18/1938	Floraday
/G.W./		2,124,538	07/26/1938	Boyer
/G.W./		3,322,546	05/30/1967	Tanzman et al.
/G.W./		3,539,192	11/10/1970	Prasse
/G.W./		3,776,297	12/04/1973	Williford et al.
/G.W./		3,948,613	04/06/1976	Weill
/G.W./		3,970,445	07/20/1976	Gale et al.
/G.W./		3,986,867	10/19/1976	Masumoto et al.
/G.W./		3,986,892	10/19/1976	Ewe et al.
/G.W./		4,024,902	05/24/1977	Baum
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/G.W./		4,124,472	11/07/1978	Riegert
/G.W./		4,125,737	11/14/1978	Andersson
/G.W./		4,163,071	07/31/1979	Weatherly et al.
/G.W./		4,260,416	04/07/1981	Kavesh et al.
/G.W./		4,268,564	05/19/1981	Narasimhan
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/G.W./		4,374,900	02/22/1983	Hara et al.
/G.W./		4,381,943	05/03/1983	Dickson et al.
/G.W./		4,396,820	08/02/1983	Puschner
/G.W./		4,409,296	10/11/1983	Ward
/G.W./		4,482,612	11/13/1984	Kuroki et al.
/G.W./		4,487,630	12/11/1984	Crook et al.
/G.W./		4,488,882	12/18/1984	Dausinger et al.

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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at www.pto.gov or MPEP 901.4. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English Language Translation is attached.

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**INFORMATION DISCLOSURE**

**STATEMENT BY APPLICANT**

(use as many sheets as necessary)

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EXAMINER INITIALS	CITE NO. <sup>1</sup>	DOCUMENT NUMBER Number - Kind Code <sup>2</sup> (If Known)	PUBLICATION DATE MM-DD-YYYY	NAME OF PATENTEE
/G.W./		4,499,158	02/12/1985	Onuma et al.
/G.W./		4,515,870	05/07/1985	Bose et al.
/G.W./		4,523,625	06/18/1985	Ast
/G.W./		4,526,618	07/02/1985	Keshavan et al.
/G.W./		4,557,981	12/10/1985	Bergmann
/G.W./		4,564,396	01/14/1986	Johnson et al.
/G.W./		4,585,617	04/29/1986	Tenhover et al.
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/G.W./		4,656,099	04/07/1987	Sievers
/G.W./		4,668,310	05/26/1987	Kudo et al.
/G.W./		4,704,169	11/03/1987	Kimura et al.
/G.W./		4,725,512	02/16/1988	Scruggs
/G.W./		4,731,253	03/15/1988	DuBois
/G.W./		4,741,974	05/03/1988	Longo et al.
/G.W./		4,770,701	09/13/1988	Henderson et al.
/G.W./		4,810,850	03/07/1989	Tenkula et al.
/G.W./		4,960,643	10/02/1990	Lemelson
/G.W./		5,127,969	07/07/1992	Sekhar
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/G.W./		5,380,349	01/10/1995	Taniguchi et al.

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Substitute for PTO-1449A/B

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/G.W./		5,440,995	08/15/1995	Levitt
/G.W./		5,482,577	01/09/1996	Hashimoto et al.
/G.W./		5,567,251	10/22/1996	Peker et al.
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/G.W./		5,735,975	04/07/1998	Lin et al.
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/G.W./		US 6,218,029 B1	04/17/2001	Rickerby
/G.W./		US 6,325,868 B1	12/04/2001	Kim et al.
/G.W./		US 6,326,295 B1	12/04/2001	Figura
/G.W./		US 2002/0036034 A1	03/28/2002	Xing et al.

### FOREIGN PATENT DOCUMENTS

EXAMINER INITIALS	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (If Known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	T <sup>6</sup> ( <input checked="" type="checkbox"/> )
/G.W./		JP 56-112449	09/04/1981	TDK Corporation	Abstract
/G.W./		GB2005302A	04/19/1979	Rolls Royce	
/G.W./		WO00/68469 A2	11/16/2000	California Institute of Technology	
/G.W./		WO03/040422 A1	05/15/2003	Johns Hopkins University	
/G.W./		DE010237992 A1	03/27/2003	Leibniz Institut für Festkörper	Abstract
/G.W./		JP02001303218A	10/31/2001	Japan Science & Technology Corp.	Abstract

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Substitute for PTO-1449A/B

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Applicant(s)	Johnson et al.
Group Art Unit	1742
Examiner Name	Unassigned

**OTHER DOCUMENTS**

EXAMINER INITIALS	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article, title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
/G.W./		Author unknown, "Standard Practice for Conducting Dry Sand/Rubber Wheel Abrasion Tests", Designation G 65 - 81, source unknown, pp. 351-368, date unknown
		Koch et al., "Preparation of Amorphous Ni <sub>60</sub> Ni <sub>40</sub> By Mechanical Alloying", Appl. Phys. Lett., December 1983, Vol. 43, No. 11, pp. 1017-1019
/G.W./		Author unknown, "A World of Superabrasives Experience At Your Service", source unknown, 4 pgs., date unknown
/G.W./		Author unknown, "GE Superabrasives - The Metal Bond System", source unknown, 1 pg., date unknown
/G.W./		Author unknown, "GE Superabrasives - The Resin Bond System", source unknown, 1 pg., date unknown
/G.W./		Author unknown, "GE Superabrasives - Micron Powders", source unknown, 1 pg., date unknown
/G.W./		Author unknown, "GE Superabrasives - The MBS 700 Series Product Line", source unknown, 2 pgs., date unknown
/G.W./		Author unknown, "GE Superabrasives - The MBS-900 Series Product Line", source unknown, 2 pgs., date unknown
/G.W./		Masumoto, "Recent Progress in Amorphous Metallic Materials in Japan", Materials Science and Engineering, 1994, Vol. A179/A180, pp. 8-16
/G.W./		ASM Committee on Tooling Materials, "Superhard Tool Materials", Metals Handbook, Ninth Edition, Vol. 3, Properties and Selection: Stainless Steels, Tool Materials and Special Purpose Metals, American Society for Metals, 1980, pp. 448-465, title page and copyright page

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